

JGO

1987

ANNUAL PCB REPORT

UNION CARBIDE CORPORATION

SISTERVILLE, WV

MPM0001238

EPA004916

MPM0001239

Green

MANUFACTURED LOWER ORGANIC LEVELS

YEAR 1981

PCB ANNUAL INVENTORY

TAG. NO.	IN-SERVICE LOCATION	ESTIMATED LIQUID VOLUME (GAL)	PCB (KG)	DATE REMOVED FROM SERVICE	DATE STORED	STORAGE LOCATION	DATE TRANSPORTED FOR DISPOSAL	DISPOSAL FACILITY	COMMENTS
(1)	Sub B NE Hall	3.1	17.6						
(2)	"	"	"						
(3)	"	"	"						
(4)	"	"	"						
(5)	Comp. Bldg. 12 MCC	"	"						
(6)	"	"	"						
7	Steam Plant C-117E	"	"	1/82	1/82	Paden City	12/6/82	ENSCO	(1), (2)
8	"	"	"	"	"	"	"	"	"
9	Starter Bld Elliot Bld	"	"	10/2/85	10/2/85	Sistersville Plant	10/1/86	CHEM WSTE	(4)
10	"	"	"	"	"	"	"	"	"
11	"	"	"	"	"	"	"	"	"
12	"	"	"	"	"	"	"	"	"
(13)	Sub A MCC	"	"						
(14)	"	"	"						
(15)	"	"	"						
16	Sub E1	10.0	56.8	9/16/86	9/16/86	Sistersville Plant	8/13/87	UNISON	(5)
17	"	"	"	"	"	"	8/13/87	UNISON	(5)
(18)	Sub E1 & E2	3.1	17.6						
(19)	"	"	"						
(20)	"	"	"						

*Using a density of 5.675 Kg/Gal (12.5 lbs/gal) for pure PCB.

- MENTS:
- (1) Paden City, W.V. Storage Site - Owned by Ma-Reb Corp.
 - (2) Energy Systems Company (ENSCO) Disposal Facility - Located in El Dorado, Ark.
 - (3) Institute, W.V. Storage Site - Owned and Operated by Union Carbide Corp.
 - (4) Chemical Waste Management Disposal Facility - Located in Emelle, Al
 - (5) UNISON-Charlotte, N.C. 28224

REPAIRED

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YEAR 1981

LIQUID FILLED POWER CIRCUITORS

PCB ANNUAL INVENTORY

TAG NO	IN-SERVICE LOCATION	ESTIMATED LIQUID VOLUME (GAL)	PCB * (KG)	DATE REMOVED FROM SERVICE	DATE STORED	STORAGE LOCATION	DATE TRANSPORTED FOR DISPOSAL	DISPOSAL FACILITY	COMMENTS	
(4) 21	Sub E1 & E2	3.1	17.6							
(8) 22	"	"	"							
(23)	"	"	"							
(24)	"	"	"							
(25)	"	"	"							
(26)	"	"	"							
(27)	"	"	"							
(28)	"	"	"							
30	Poly T Tank Farm MCC	"	"	12/26/85	12/26/85	Sistersville Plant	10/1/86	CHEM WSTE	(4)	
31	"	"	"	"	"	"	"	"	"	
32	"	"	"	"	"	"	"	"	"	
33	"	"	"	"	"	"	"	"	"	
34	"	"	"	"	"	"	"	"	"	
35	"	"	"	"	"	"	"	"	"	
(4) 36	Sub G MCC	"	"							
(0) 37	"	"	"							
(38) 38	Sub B MCC	"	"							
(39)	"	"	"							
(40)	"	"	"	"						

*Using a density of 5.675 Kg/Gal (12.5 lbs/gal) for pure PCB.

- COMMENTS:
- (1) Paden City, W.V. Storage Site - Owned by Ma-Reb Corp.
 - (2) Energy Systems Company (ENSCO) Disposal Facility - Located in El Dorado, Ark.
 - (3) Institute, W.V. Storage Site - Owned and Operated by Union Carbide Corp.
 - (4) Chemical Waste Management Disposal Facility - Located in Emelle, Al

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TAG NO.	IN-SERVICE LOCATION	ESTIMATED LIQUID VOLUME (GAL)	PCB (KG)	PCB ANNUAL INVENTORY				COMMENTS
				DATE REMOVED FROM SERVICE	DATE STORED	STORAGE LOCATION	DATE TRANSPORTED FOR DISPOSAL	
(11)	Sub-D MCC	3.1	17.6					
(12)	"	"	"					
(13)	"	"	"					
(14)	"	"	"					
(15)	"	"	"					
(16)	"	"	"					
(17)	"	"	"					
(18)	"	"	"					
(19)	"	"	"					
(50)	"	"	"					
(51)	"	"	"					
(52)	"	"	"					
53	Small Scale (SSP)	"	"	11/22/86	11/22/86	Sistersville Plant	8/13/87	UNISON (5)
54	Sub-D MCC	"	"					
55	"	"	"					
56	"	"	"	2/11/86	2/11/86	Sistersville Plant	10/1/86	CHEM WSTE (4)
(57)	"	"	"					
58	Basement Bldg. 1	"	"	2/4/87	2/4/87	Sistersville Plant	8/13/87	UNISON (5)
59	"	"	"	2/4/87	2/4/87	Sistersville Plant	8/13/87	UNISON (5)
60	"	"	"	2/4/87	2/4/87	Sistersville Plant	8/13/87	UNISON (5)

*Using a density of 5.675 Kg/Gal (12.5 lbs/gal) for pure PCB.

- COMMENTS:
- (1) Paden City, W.V. Storage Site - Owned by Mr-Rec Corp.
 - (2) Energy Systems Company (ENSCO) Disposal Facility - Located in El Dorado, Ark.
 - (3) Institute, W.V. Storage Site - Owned and Operated by Union Carbide Corp.
 - (4) Chemical Waste Management Disposal Facility - Located in Emette, Al
 - (5) UNISON-Charlotte, N.C. 28224

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LIQUID FILLED POWER CAPACITORS

PCB ANNUAL INVENTORY

TAG NO.	IN-SERVICE LOCATION	ESTIMATED LIQUID VOLUME (GAL)	PCB (KG)	DATE REMOVED FROM SERVICE	DATE STORED	STORAGE LOCATION	DATE TRANSPORTED FOR DISPOSAL	DISPOSAL FACILITY	COMMENTS	
61	Basement Bldg. 1	3.1	17.6	2/4/87	2/4/87	Sistersville Plant	8/13/87	UNISON	(5)	
62	"	"	"	5/80	5/80	Paden City	12/6/82	ENSCO	(1), (2)	
63	"	"	"	"	"	"	"	"	"	
64	"	"	"	"	"	"	"	"	"	
65	"	"	"	"	"	"	"	"	"	
66	"	"	"	"	"	"	"	"	"	
67	"	"	"	"	"	"	"	"	"	
68	"	"	"	"	"	"	"	"	"	
69	"	"	"	"	"	"	"	"	"	
70	"	"	"	"	"	"	"	"	"	
71	"	"	"	"	"	"	"	"	"	
72	"	"	"	11/6/78	11/7/78	Institute	11/8/79	Chem. Waste gmt.	(3), (4)	
73	"	"	"	"	"	"	"	"	"	
74	"	"	"	"	"	"	"	"	"	
75	"	"	"	5/80	5/80	Paden City	12/6/82	ENSCO	(1), (2)	
76	Old MCC	"	"							
77	"	"	"							
78	"	"	"	3/6/79	3/7/79	Institute	11/8/79	Chem. Waste gmt.	(3), (4)	
79	"	"	"	"	"	Paden City	12/6/82	ENSCO	(1), (2)	
80	"	"	"	"	"	"	"	"	"	

*Using a density of 5.675 Kg/Gal (2.5 lbs/gal) for pure PCB.

- COMMENTS:
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 - (2) Energy Systems Company (ENSCO) Disposal Facility - Located in El Dorado, Ark.
 - (3) Institute, W.V. Storage Site - Owned and Operated by Union Carbide Corp.
 - (4) Chemical Waste Management Disposal Facility - Located in Emelle, Al
 - (5) UNISON-Charlotte, N.C. 28224

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DISPOSED FILLED TOWER CAPACITIES

PCB ANNUAL INVENTORY

TAG NO.	IN-SERVICE LOCATION	ESTIMATED LIQUID VOLUME (GAL)	PCB # (KG)	DATE REMOVED FROM SERVICE	DATE STORED	STORAGE LOCATION	DATE TRANSPORTED FOR DISPOSAL	DISPOSAL FACILITY	COMMENTS	
									(1)	(2)
81	Old 42 MCC	3.1	17.6	3/6/79	3/7/79	Paden City	12/6/82	ENSCO	(1), (2)	
82	"	"	"	"	"	"	"	"	"	
83	"	"	"	"	"	"	"	"	"	
84	"	"	"	"	"	"	"	"	"	
85	"	"	"	"	"	"	"	"	"	
86	"	"	"	"	"	"	"	"	"	
87	"	"	"	"	"	"	"	"	"	
88	"	"	"	"	"	"	"	"	"	
89	"	"	"	"	"	"	"	"	"	
90	"	"	"	"	"	"	"	"	"	
91	"	"	"	"	"	"	"	"	"	
92	"	"	"	"	"	"	"	"	"	
93	"	"	"	"	"	"	"	"	"	
94	"	"	"	"	"	"	"	"	"	
95	Bldg. 33	"	"	10/8/87	10/8/87	Sistersville Plant				
96	Sub B Bank B3A	"	"							
97	"	"	"							
98	Sub B Bank B3B	"	"							
99	"	"	"							

*Using a density of 5.675 Kg/Gal (12.5 lbs/gal) for pure PCB.

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 - (2) Energy Systems Company (ENSCO) Disposal Facility - Located in El Dorado, Ark.
 - (3) Institute, W.V. Storage Site - Owned and Operated by Union Carbide Corp.
 - (4) Chemical Waste Management Disposal Facility - Located in Emelle, Al

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TRANSFORMERS

*Using a density of 5.675 Kg/Gal (12.5 lbs/gal) for dielectric fluid. Kg PCB = (Gal)(5.675)(PPM)

CLIENTS: (1) Transformer 25 sold to Electric Equipment Company (Rochester, NY) on 10/29/84 for conversion to a non-PCB transformer. Shipped on 11/15/84.

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HEAT TRANSFER FLUIDS

*Using a density of 3.76 Kg/Gal (8.29 lbs/gal) for Therminol 60. Kg PCB = (Gal)(3.76)(190 ppm)

(1) Rollins Environmental Services, Inc. Located in Deer Park, Texas

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PCB ANNUAL INVENTORY
LIQUID FILLED POWER CAPACITORS

	<u>Quantity</u>	<u>PCB's</u>	<u>PCB's</u>
		x (Kg Each)	= (Kg Total)
1. Capacitors in Service on 12/31/87	47	17.6	827.2
Total	47		827.2
2. Capacitors Removed from Service and Placed in Storage in 1987	5	-	88
3. Capacitors in Storage from Previous Year on 1/1/87	3	-	52.8
4. Capacitors Transported from Storage to Disposal in 1987	7	-	123.2
5. Capacitors in Storage on 12/31/87 (2+3+4)	1	-	17.6
6. Capacitors Transported to Disposal in Previous Years	44	17.6	774.4
Total of 1 + 4 + 5 + 6	99		1742.4
Capacitors in Service on 7/2/78	99		1742.4

$$\begin{array}{r} 47 \\ + 7 \\ \hline 54 \end{array} \quad \begin{array}{r} 99 \\ - 51 \\ \hline 48 \end{array}$$

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PCB ANNUAL INVENTORY

TRANSFORMERS

	PCB's Quantity	x (Kg Each)	= PCB's (Kg Total)
1. Transformers in Service on <u>12/31/87</u>	0	-	0
2. Transformers Removed from Service in <u>1987</u>	0	-	0
3. Transformers in Storage from Previous Year(s) on <u>1/1/87</u>	0	-	0
**4. Transformers Transported Off-Site in <u>1987</u>	0	0	0
5. Transformers in Storage on <u>12/31/87</u> (2+3+4)	0	-	0
6. Transformers Transported in Previous Years	1	-	0.4
Total of 1 + 4 + 5 + 6	1	-	0.4
Transformers in Service on <u>7/2/78</u>	1	-	0.4

*Based on 6/14/84 retest of PCB content on Transformer #25. Retest showed 112 ppm; previously used PCB content was 99 ppm.

**Transformer sold to Electric Equipment Company (Rochester, NY) on 10/29/84 for conversion to non-PCB transformer. Shipped 11/15/84.

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PCB ANNUAL INVENTORY

HEAT TRANSFER FLUIDS

	<u>PCB's (Kg Total)</u>
1. Heat Transfer Fluid in Service on 12/31/87	0
2. Heat Transfer Fluid Removed from Service and Placed in Storage in 19 <u>87</u>	0
3. Heat Transfer Fluid in Storage from Previous Year on 1/1/ <u>87</u>	0
4. Heat Transfer Fluid Transported from Storage to Disposal in 19 <u>87</u>	0
5. Heat Transfer Fluid in Storage on 12/31/ <u>87</u>	0

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